

Figure 1(A)

SARS-Cov (NC_004718.3) 29751 bp

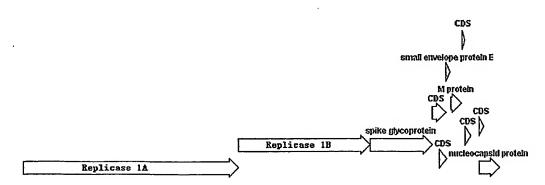
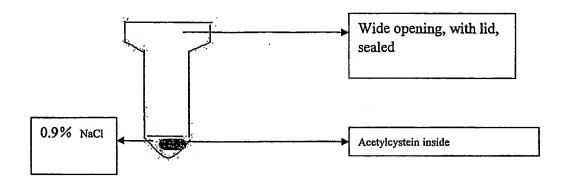


Figure 1(B)



Consideration of design:

Advantage1: wide opening, easy to collect sample,

anti-pollution

Advantage2: Liquefaction inside, easy to operate

Figure 2

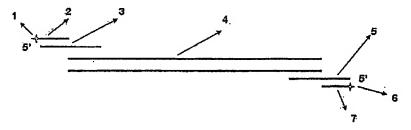


Figure 3

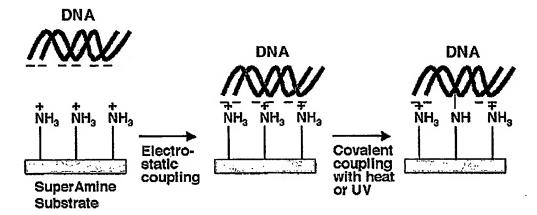


Figure 4

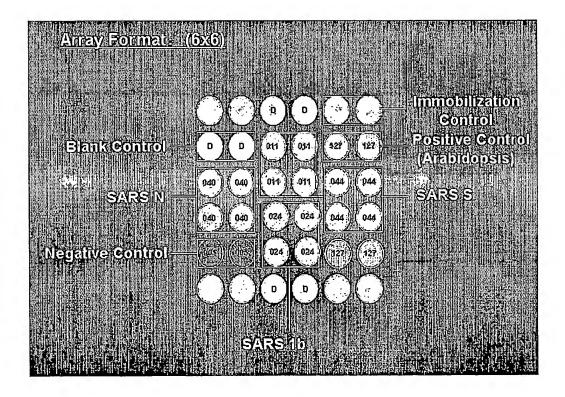


Figure 5

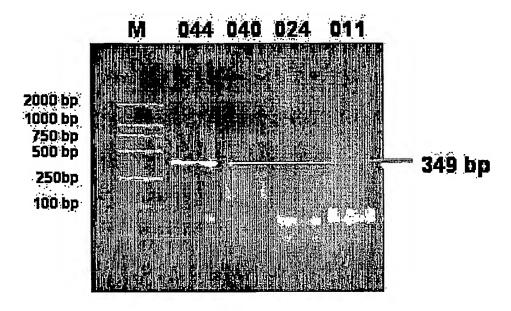


Figure 6(A)

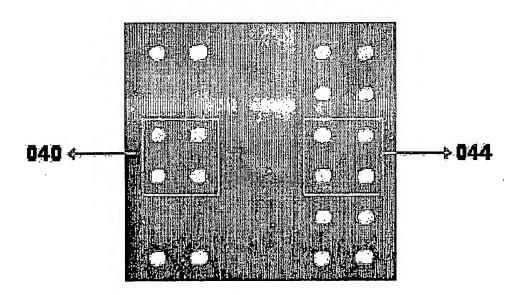


Figure 6(B)

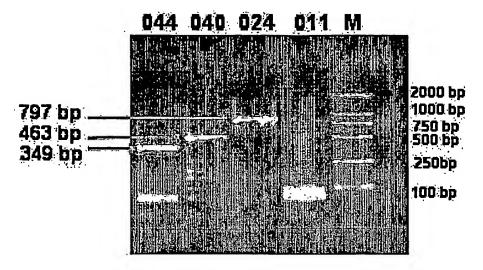


Figure 7(A)

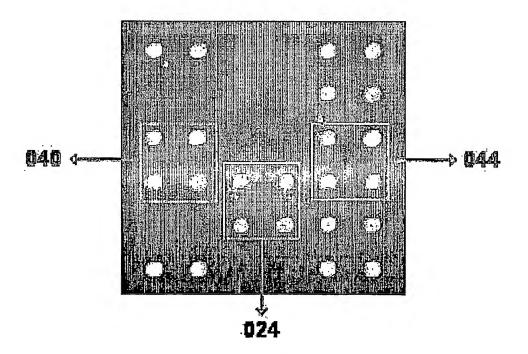


Figure 7(B)

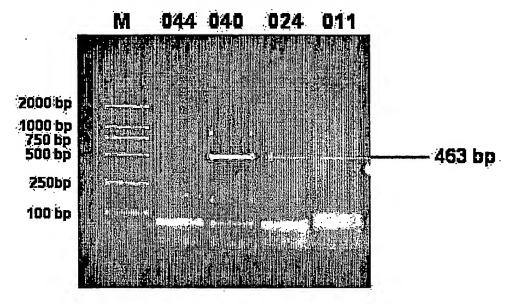


Figure 8(A)

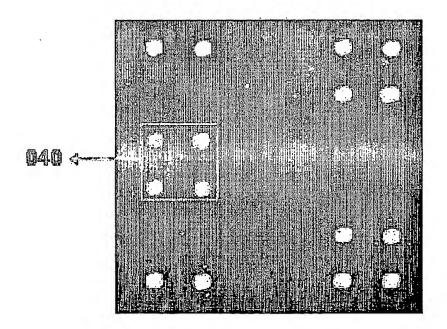


Figure 8(B)

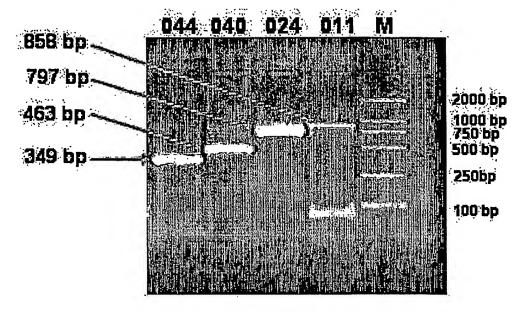


Figure 9(A)

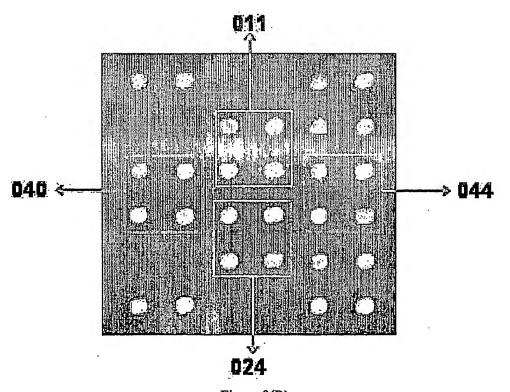


Figure 9(B)

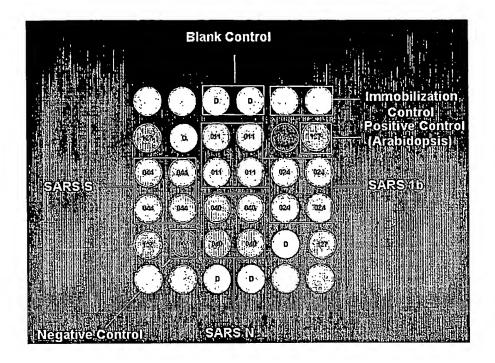


Figure 10

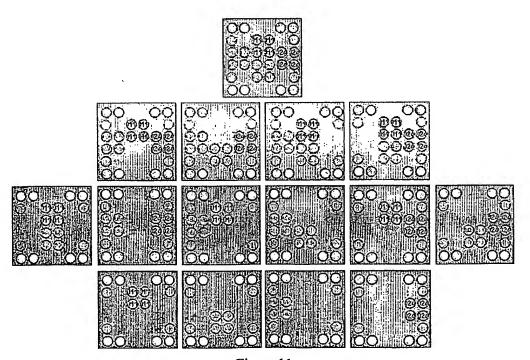


Figure 11

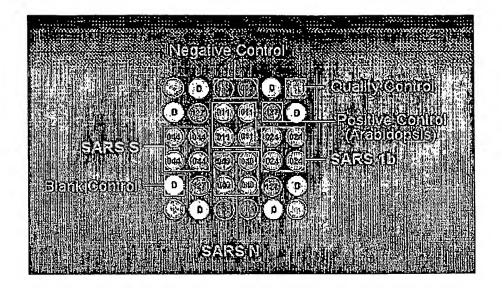


Figure 12

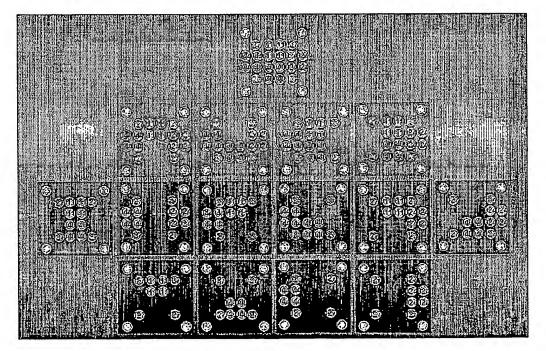


Figure 13

The rules for identification of a patient who has been infected by SARS-CoV.

The fifteen positive gene chip hybridization patterns which indicate the corresponding person has been infected by SARS-CoV are as follows:

		. Den	,			·					
HEX		127	127		HEX	HEX]	127	127	l .	HEX]
	GAPD	011	011	GAPD		<u> </u>	GAPD		†	GAPD	
	- 4107	011	011				1			014	. 034
		<u> </u>							†	014	044
	GAPD			GAPO		 	GAPD		 	GAPD	1-7
1 my	UNIV		100	WI D	HEX	HEX	100	127	127	1	HEX
HEX		127	127		nex	Lucy	_!	151	141	<u>. </u>	J. 144
HEX		127	127		HEX	HEX		. 127	127	1	HEX
	GAPD	12.		GAPD		·	GAPD			GAPD.	
\vdash	UNTU			UNFU		1040 :	040		 	- W4 D	+
									 	 	
		024	024			040	040		 	<u> </u>	
	GAPD	024	024	GAPO			GAPU.			GAPD	
HEX		127	127		HEX	HEX		137	127		HEX
	·										
HEX		127	127		HEX	HEX		-127	127	:[HEX
1,121	GAPD:	011	011	GAPD			GAPD	011	011	GAPD	
		011	011	014	044			011	011	1	
	\vdash	<u> </u>	1 711		044	<u> </u>		024	024	 	·
ऻ—	CATTO		-		. 1717	-	GAPD	024	024	GAPD	
L	GAPD	100		GAPD:	1777	\muv	บหาย			WW-D	HEX
HEX	J	127	127	L	HEX	HEX		127	127	1	LUEY
LIEN.		127	1.127	r	HEX	HEX		127	127	т	HEX
HEX	<u> </u>		1	L	HEX	nea.		161	161		۸ختنا
	GAPD	011	011	GAPD			CAPD		↓	GAPD	
040	040	011	011		l					ÿ0 1 4	014.
.010	040 -		T T			•		024	024	044	044
$\overline{}$	GAPD		i	GAPD			GAPD	024	024	CAPO	
HEX	1,515	- 127	127 .		HEX	KEX		·:.127	127		HEX
1.001	<u> </u>	1.00		1.,						.1	
HEX	·	127	127		HEX	HEX		127	127	1	HEX
	GAPD	 '''	1	GAPD .			GAPD'			GAPD	
040	040	 		044	044	.040				+ <u>-</u>	
	1 070	 		·		.010	010	024	024	·	+
.010 .	040		_	044	044	040	:040			0.00	
	GAPD	<u> </u>	1	GAPD			GAPO	024	024	GAPD	·
HEX		127 .	. 127	<u></u>	HEX	HEX		127	,127	<u> </u>	HEX
									11		T
HEX		127	127		HEX	HEX		127	127		HEX
	GAPD	011	011	GAPD	1	l	GAPD.	011	011	GAPD	
		011	011	044	044	040	040	011	011		
		024	024	: 044	044	040	, 040	024	024	1	
	. GAPD	024	024	GAPD	1		GAPD	024	024	GAPD	
17000	war b.			WILD .	trov	HEX	4,	127	127	+	HEX
HEX	<u>1</u>	: 127	127	<u> </u>	HEX	HEX		127	127	┸	nex
HEX	T	127	127	7	HEX	l HEX		. 127	127	T	HEX
HEX	GAPD	011	011	GAPD :	TICA	I INEA	GAPD	1 121	+ ""	GAPD	- - ''''
040					30	-040	04D · · · :	 	+	044' **	044
010	VIV	011	011	044	044			004	004		014
010	. 040	 	1	014	011	040.	040	024	024	014	1714
	CAPD	1		GAPD:	└	↓	GAPD ·	024	024	GAPD	+
HEX		127	127		HEX	HEX		127.	127	<u> </u>	HEX
HEX		/127	127		HEX						
	GAPO	011	011	GAPD		1					
.040	040	011	011	014	044	1					
010	040	024	024	044	014	1					
1	GAPD	024	024	GAPO	 	1					
HEX	1 44 5	127	127	+==-	HEX	1					
III		1 147	1 141		111111	J					

The negative gene chip hybridization pattern which indicate the corresponding person hasn't been infected by SARS-CoV is as below:

HEX		127	127		HEX
	GAPD			CAPO	
		.].			
	GAPD	1		GAPD	
HEX		127	127		HEX

Figure 14